

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:183	Late	LPZ-124	AGGTGACCGTCCGTTCCGGGTGTATTGTCTGAACACGTAGGATGGTGCTACGTTGA AACCACCGTTACCTTCTTCGATATGTTATAGTTTCGAGTTCATACGGAGGGAATACC GTTTGTAGTGTTATTCAGCACAAACCCCGTCCTGATTAAACACCCCCGCAACCAAGG ACGTATTCGACGTTCCGGTATTGTTTGACACACTCAAGTTATAACTCTGAATAGGCGC TACCCGAAGTAAGCATTGTACCAAGTCGTTATTTTTGCCTTCGTAAGGATT TTGAAATATATCCGCACAGGCTGCAACTGATCTTCGTAAAACCTCTTTCTTAACTGA GCAAACCTGAACAGCATCAGCATTGTTGACCCGACCTTTCATCGGCACCTGCTGCACA CCCGCATACGTATTAAAGCAATGTTCTGTCTGGCCAGGTTTGCCTTTTTTGGTTGTAA CAGGACAACGCCGTTAGCCGCCGCGATCCGTAGAGCGACGTAGAAGCCGCATCTT TCAGCACGGTCAC
SEQ ID NO:184	Middle	LPZ-126	AGGTGACCGTCGTCAGAAAAACGTGATTTCCGCAAACCTTTGGATCACTCGTATCA ATGGGCAGCTCGTTTGAACGGACTTTCATACTCACAATTGATGCATGGTTTGAAGTT GGCTGAATCGAAGTGAACCGTAAATGTTGGCTGACTTGGCTGTTAACGATGCAGC AGCTTTCAAACTCTTGACAGCGCAGCTAAAGCTAAGCTTGGGTAAATAATTAAAAA AGAACCGAGGTTTCCTTGGTTCTTTTTTATAACTTTTAAATGAAAAGTATGAAGAGAG AAACAGCCTGTCTTCTACTTATAGTATAAGATAAAAGCTTGTACTGATAAGACAGC TTTCATGGTAAAGCAGTTAAAAATAGGGATTTGCGATATAATAGAAAAACAGACGT TTATGTAAATAAAAAACAGTAGAATGGAGAAATTATGTCAGAGAATCGTTTGGCTTG GGATCAGTATTTTGGCGCCAGGCTCTCTTAATCGCTAATCGCTCAACCTGTAAGCG AGCCAAAGGTGGCTCCGTATTGTCAAGGATAATAAGGGTTATTTCAACTGGGTACA ATGGCTCAGTTTCAGGGACTGGAGACTGTATTGACCAAGGAGTGCCTGGTCATTGA CGGTCAC
SEQ ID NO:185	Late	LPZ-127	AGGTGACCGTGGCGGAGGTTAGGGAAGTTTGACTTCTCATTTTCTCACGCACTCCT CTCCTCGTAACCTCGGTGAGTCGATGGCGGCTTTTTAGTCGAGTGTGCTAACGCA CCCTCCGGCCTCAAATTTCCAGCTACTCGTATTTGATCAATGCTGAAATCGCGTAA TTACGTAGTAATAAAGCGTAATGAATTCTATAATGAAGCATGTTTCTCTATAGTTCAT GTGCCGAGAGGAATAATGAAAATGAGGCCCTTATATATTATCTGGGGCTCAAGGAGA TGTTATCTTTTCTTCCCTTGGTTAGAGACCGTCAACCTTCACTTGATTGGATAAAGC TTCATTTTGTAAACCTCCAAGCCAGTAGATACATACGGTAGGCACGTATTATGGT AGAGACATACGGTCAC
SEQ ID NO:186	Late	LPZ-128	AGGTGACCGTCCTGTTGCCTAACCGCGAATCCAAATCGACTTGGGCTGCTTCCTTT CGTGCAGATATTTCTGGTTTGGACTCTAGTTCTTGCTCCTGGAAATCATGCTTGAGT GCTGGGTAGCTGCCTCCAAGTTTGGTTGACAGGCCATTCTTACAGCTTCTCTCT TCCGCTTATGACAGAGTAATGACAGGAATTCAACCTGACGGATCCGTCTAGCTCTC ACAAGGTTGGGACCCTGTCTTCGAGAGGGTTATTTCTTGAGACTGTTGACTATATTT TGGATGAGCCCTCAGCTCTGTGTACTATTGTTTCATGTACTGGATACTTTGTAAATGA TTTTATTCTGGTTTTACCCCGGGGGGGGCATTTTGACTCCTGGGTTTAATACGGTC AC
SEQ ID NO:187	Late	LPZ-131	AGGTGACCGTGGAACATGATGATTAGTTCTTCTGTGGGCCAGGATGATTAGTTCTC TGTGTGACTGTGGGCCAGGATGATTAGTTCTCCTGTGACGACTGTTGGATAGGATG ATTCGTCTCCTGTGGACAGGATGATTAGTTCTCCTGTGAGGCACCCTACCCATGC AATTTGGGATCATGGGAAGTACCTCTCATCTGATCAATGAGTAGGGAAATGGGGTT AGGGACCATTAGAGTACTATCGATGGACACATCGTTGTATCTACCGTCCTATGCTA GGACGACCTCCATTGTTTGGGATTAGTGAGAGTGGTATGACACTCTGAGACTGACT TTGGGTCAGTGGAGGATGTATGATACATCCTCGATCATTCTTCTTCTTCATAGTTC GAGCAGAGCAGAGCACAACAGGCCAAGTAGTGCAGGGTAGTGCATTTGATGGCTG GGATAGTAGCGACGGTCAC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:188	Middle	LPZ-133	AGGTGACCGTAAATAAGATGACCCACATGGAGTTTGGCCCTAGTTTCCAATTTTAA CAC1CGCTCTCAACTAGGGAGAACTCCATTGCTGATCCATTTGTCCGACTATACTA TCTCTGCATCAGTGCCCTACACTACTCTGCACTGCTCTGCTCTACTAAACCATGAA GAAGAAGAATGACCGAGAATGTCTCATGCCATTCTCTATTGACCTGAAGTTAGTCC TATATGAAGAGA1TGTGTCATATCACTCTTATTGACCCAAAGTCAGTTTTATTGATCC CAGATCAATATCACAGAGAGTGTCTCAAACCACTCATACTGATCCCAGATCAGTTTC ATTGATCCCATATCAAGGAGATCATCCTAGAATAGGGAGTACAGTAGATACAATGAT GCATCCATCAATAGTACT1CTATGGTCCCTAACCCCATTTCCCTGCTCATTGATCAG ATGAGAGGTACTTCCGATGAGCCCACACTGCATGGGTAGGATGCCTCGACATGAG AAATAATCATCCTATCCACAGGAGACGAATCCTCCTGTCCCACGGTCAC
SEQ ID NO:189	Middle	LPZ-136	CTAGGGAAGACTTTAAAAGTTTGTAAACTAAGCATAGCTCTTAAACACTGAAGTTA AAGACATGATTGGAATGTGCAAGTGGTTCAGTATCCAAATATTGAAGTTGCAGAA TATGGGCTACTGTGCAAACGAGTAACTTTATCTATATTTTACAAGATCATACAATG GGAAACGTGAGATAACAACTGCATCGGTGAACCAGAATAGTTATAAAAGTTCTTGC AAGTAAAGGGTGAATAATTGCATGGTGTGAATTAAGAATGACCATGTAGAGCTGCT ATACAGACTTCTCAAGGTTTTATATTTGAGGAGTGC GCGCTATTGATGTTGTGCAAA AATTTGAGAAATTAATTCTGCGGCATTTATCAAGGTTGTTGAGCCATTTAAATAGCA AGTTTTTGTCTCCAGTACTTTGAGGAAAGCAGGTTAGACGATAAAATGCATCTTC CCAATTTACTATATTTCTGTTTTAAAGATTCTCTCAATGTCCTTAGCACGTGGCTTT CATTATTGGGACCAATGAAGATGTGTAGCAGAGGCATTACGTTATGGAATCTCTCA CCAAGAACACTGTTTTGGGCTTTAGATAGCTCCTAGTTATAAATGCTCCAGTGACAA ACACATCCTAAGTTTGGGGCAATTAATGACGCCTTTTGGTCATTCTCCTTTGGGTTT CAGGCACGGTCAC
SEQ ID NO:190	Late	LPZ-137	TCCCTTTAGTGAGGGTTAATAGATCTATAGTGTACCTAAATCGCGGCCGCTCTAG AACAGTGGATCCGCAAGCAGGATAGACGGCATATGCATTGGATGCTGAGAATTG ATATCAACTTATCGATACCGTCGACCTCGAGGG
SEQ ID NO:191	Middle	LPZ-138	GGTGCGATCCTAAACATGCAAGCTTTGAGTTTGTAACTTTGTAGAAGTGGACATTT TAAGTTGGATGTACAAATCTACTGTTGGTTGATTGTATCCCATAAACAATGTTT GATGAGATGTTTTTTTAAAAACCACATCATAATATTTTAGGCCTTGTAACAAAAA AAAAAAAAAAAA
SEQ ID NO:192	Late	LPZ-140	ATTCCAACTTTTCTTTCAAGATGTACACCAACATCATTGTCCCACTTAGTAGACT TGACTTTTACCAGGTCCAAAGAGAGGGGTGGTGGAAAGCAGATTTAGGCTTTG AATAAGTATCAATGATATAAGCATCATCCCCTTGCCAATTGTTCTGGATCGCAC
SEQ ID NO:193	All	LPZ-141	GGTGCGATCCCATCAGGGGTTGTGTTTCTAAGAATCACTTCCATGTTTCAAATTCAG CACTTGATCTTGATACATACCCAATTTGTTGCCTGCTACTAGCTAGTATTGTCTTTCA GTTTGAACCATTTTTTTGAGTAAATCGTGTTTAGTCTTTGGCAAAAAAAAAA
SEQ ID NO:194	Middle	LPZ-143	GGTGCGATCCGCATTAGAGAAGCATACAGGAAAAAGAAGTACCTGCCTCTTGATT GCGCCCAAGAAGACTCGTGCTATCAGGCGACGCCTTACCAAGCATCAGGCATCAT TGAAGACGAGAGACAGAAAAAGAAAGAGATGTATTTTCCAATGAGAAAGTATGCAG TCAAGGTGTAAGCCACAGGATTTGAGCTTTTATGCAATTTTTTGTACTTGCGGGA TGATATTGCCTATATATTTCCGTCCACGTTTTTGGCAAATTCGATTTGCATCAGAA TTCAAGTTATGATAGTGTCTTTGCTTTTGGCAGTTGATATTGTTTATCTTTTATT TCTCTTGAATTGCAACATATTCTAATGCAATGAGTGGATTATTATATTGTGGTATTT CATGTTGAACTCATATAAATGAGCGTAATTTGAGTGGTAGCGCTAGGATATTTACAC TTGGCAAAAAAAAAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:195	Middle	LPZ-144	GGTGCGATCCGTATAGGTAGTTTGGATGATGAACGGGCAAAGAAGGCAAAGGAGT ACAGGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAAATCTGCAATATAAGGAT GGCTAACTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCAGA GTTGTCAAATAACTTTTGTGAATAGGAAAGTTGTCCTCTTTTAGAGTGCAGAAATCC TGCAATATAAGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCAAAAA AAAAAA
SEQ ID NO:196	Late	LPZ-145	GGTGCGATCCCATATACAATTACATATATTTTCAACAATTCTTTTGTGTTATGAAAA TCTATTGAAATAAATTGAAATAGTTTGCATCATTTATTTATCGGAATTCGTATTTATAT ATTAAATTTCTGATGTCTCAAATCCTTCGTTACTGTAACGATATCATTAAATATAATGT GTCTGCAAGTTTATTGGGCAAAACAAAATTTATTTTTCGGTCACATCATAAGTTTATT TTTGGTCACATCATATGCACCATCACATTAAGCATAAGCATATACAGTAGCGTAAAA ATACAATTATTGTTGTTGACTAGGATCGCAC
SEQ ID NO:197	Late	LPZ-146	GGTGCGATCCTAGTCAACAACAATAATATGTATTTTACGCTACTGTATATGCTTAT GCTAATGTGATGGTGCATATGATGTGACCAAAAAATAAACTTATGATGTGACCGAAA AATAATTTGTTTTGTCCAATTAGACTTGCTGTATATGTCTGGAGTCCTACCCTTGAA AATTGACTTGTTTCCC
SEQ ID NO:198	Late	LPZ-147	GGTGCGATCCCATATACAATTACTTATATTTTCAACAATTCTTTTGTGTTATGAAAA TCTATTGAAATAAATTGAAATAGTTTGCATCATTTATTTATCGGAATTCGTATTTATAT ATTAAATTTCTGATGTCTCAAATCCTTC
SEQ ID NO:199	Late	LPZ-148	CCACTGCACCATATATTTTCATATAGCTGAAAACTTAGCCATCCTTATATTGCAGAT TTCTGTTTTCTGAAACAGGAATTACAGGATCCATCACTGTACTCCTTTGCCTTCTTT GCCGTTTCATCATCCAACTACCTATACGGATCGCAC
SEQ ID NO:200	All	LPZ-149	AGAGCCTTCTTGCAGACAATCCGTGAAAACATGGCTATACAATAAAAATTCAGTT TGAATTCATAAGAAAAGTGTCAATATTTGAAGGCCTCTGATATCACAGAGACTGAT ATTAAATGGAAATTCATACAAATGAGGAGAGCATGTAGCAACACTAGAAGCTTTGG CATAAAGCACCAGATAAATTCATAAGAACTAAATCCATAAGAAGGATCTCTCGTTCA CCAGTCACAATCACACTCGGATCGCAC
SEQ ID NO:201	Middle	LPZ-150	GGTGCGATCCCTGGCCCTGATAACTTTGGTTGCAATGGAAAATGCAGTACTAGGTG CGAAATGCTAAAGCCCCGCCGAGCGGTGCATGAAGTACTGCAATATTTGTTGTAG TAAATGGCTGGTTGTGTTCCAGTGGTCACTATGGCAACAAGGACGAGTGCCCCCT GCTACAGAGAATGAAGTCCGCAGCCGGCAAGCCCAAGTGTCCCTGATCTTAGCAC TTCAGTCCAGTCGCCACTTCTTTTATTCTCTTTTTTATAAAAGTGACGAGGCCGTTT TTCTTGTGCTTGGTGCCATATGTAGAGCGGTGGCTACTTCTCCTGTGTTAGGAAAT GTTGCAGTACTAATAATAGAATTCTT
SEQ ID NO:202	Middle	LPZ-151	GGTGCGATCCAATAAAGATATACTTTGCAACAATAATCAAATATCATTATGCAAAG TTTAAGATCAAAATAGAATGCAACAAAAAATGGTTGTAACATAGGAACCAACAATG TTGCATTCAAGTAAGACTCTTTGCAAAAAAAAAAATAAAAAAAAAA
SEQ ID NO:203	Middle	LPZ-152	GGTGCGATCCACAAGTAAGATAATTGAGTATATATTCAAGATGCAAATATTTCTTA GGACCACTCATAAAGTTATCAATGATTCACAAAGAGACCTCCTGACCTCTCTCAAAA GTGGTGGCAACACAAGACTAGTGTAGTTTTTACTATACCTCAATGAACTACCATCC TAACTGATGCCATAATCTTCTGTTATATATTACCAAATTTATGAGATGATTGATCCA TAAACACTCCAGAACACATAGTCATCCAAGGAACCTTTGCTTGAATATGGACCCC CTTAATTCAGGTACTTGCTACTCCAATAAATTGCTTAATCTCTCCACCGATAACCCAC AGTTTGGATCGCC

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